



Aalborg Universitet

AALBORG UNIVERSITY
DENMARK

Recycling Centre in Aarhus

Fisker, Anna Marie

Published in:
02 Pages

Publication date:
1990

Document Version
Publisher's PDF, also known as Version of record

[Link to publication from Aalborg University](#)

Citation for published version (APA):
Fisker, A. M. (1990). Recycling Centre in Aarhus. 02 Pages, (2), 10-11.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- ? Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- ? You may not further distribute the material or use it for any profit-making activity or commercial gain
- ? You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.

Søren Jeppe Pedersen graduated from Department D for Urbanism of the Århus School of Architecture in June. The subject of his diploma was a recycling centre in Århus.

The project is the first at the school of Architecture to deal with this environmental problem, and represents a clear architectural signal for more well-founded developments surrounding the waste problem.

That Søren Jeppe Pedersen with his project has created a new model for the architectural treatment of such a large problem area is to a large extent due to the fact that he rejected the traditional reckless handling of waste as a starting point, and instead incorporated new-technology treatment methods. In addition, he has provocatively chosen to locate the Recycling Centre on the edge of a green wedge alongside one of the major arterial roads into Århus, on an apparently green and fertile site, but the truth is that a few meters under the green carpet hides 2 million cubic meters of waste. The recycling centre forms a large arc which bounds the open land and the developed area. The long body of the building divides the arc into two parts, one side where the source-sorted reuse is

10 RECYCLING CENTRE IN ARHUS

received, the other side where the treated raw material is dispatched by rail or lorry.

To the north a large area is laid out for the conversion of organic waste to compost.

Functions within the Recycling Centre are divided into a sorting section for refuse and a public and administration section.

Treatment of the different refuse groups take place in closed systems utilising high-technology, thereby ensuring a safe working environment for those employed in the centre. Søren Jeppe Pedersen illustrates his considerations about the social aspects surrounding the problem by opening the centre to the public.

Visitors have the opportunity to view the various processes through windows in the connecting corridors within the plant. In addition there is a lecture room, an exhibition area, an information service, a cinema, a cafe, etc.

The Recycling Centre is supplied with electricity from windmills and passive solar gain from large glazed areas facing south, supplemented by excess heat generated from the compost process. Rainwater is collected in small pools towards the south and is used for cleaning and washing, etc., in the processing. Waste water is treated in an integrated system with plants and fish in a filtration unit and is piped after treatment to the west. Some of the nutrient enriched waste water is used in a balanced metabolic system with plants and animals in a part of the centre which produces fruit and vegetables, etc., for use in the centre's kitchen. And by the way, the centre has been designed and constructed so that the complete building can be recycled.

1. Site plan 1: 6500
2. First floor plan 1:1000
3. Ground floor plan 1:1000
4. South elevation 1:2000
5. Section 1:200

BY ANNA MARIE PETERSEN Translated by Neil Pearson

